Listing of Claims:

1. (Currently Amended) An image processing apparatus ~~for processing~~ which processes an image that is composed of two-dimensional image data corresponding to an image reading area of an image reader, comprising:

a specifying device ~~for specifying a~~ which specifies an output-size within the image reading area of the image reader;

a determining device ~~for selecting~~ which selects a part of the two-dimensional image data ~~in accordance with~~ that corresponds to the output-size, ~~analyzing image data in~~ analyzes the selected part of the two-dimensional image data, and ~~determining~~ determines a processing condition for ~~the image data in~~ the selected part of the two-dimensional image data based on ~~basis of the analyzing result~~ the analysis; and

a processing device which performs at least one of gradation processing to control image contrast, frequency processing to control image sharpness, and dynamic range compression to narrow the image contrast on the selected part of the two-dimensional ~~for processing the~~ image data ~~in the selected part with~~ based on the determined processing condition.

2. (Currently Amended) The image processing apparatus of claim 1, wherein said image comprises an X-ray image.

3. (Currently Amended) The image processing apparatus of claim 1, wherein said determining device recognizes ~~a significant~~ data which is significant to diagnosis ~~form~~ from the selected part of the two-dimensional image data.

4. (Currently Amended) The image processing apparatus of claim 3, wherein said determining device creates a cumulative histogram of the significant data and ~~determining~~ determines the processing condition according to ~~the~~ a result of the cumulative histogram.

5. (Currently Amended) The image processing apparatus of the claim 1, further comprising:

a display ~~for displaying~~ which displays ~~a picture~~ the image composed of the two-dimensional image data with a trimming frame ~~according~~ corresponding to the output-size.

6. (Currently Amended) A method for processing an image that is composed of two-dimensional image data, comprising ~~the steps of~~:

reading the image composed of the two-dimensional image data corresponding to an image reading area of an image reader;

specifying ~~a~~ an output-size within the image reading area of the image reader;

selecting a part of the two-dimensional image data ~~in accordance with~~ that corresponds to the output-size;

analyzing ~~image data in~~ the selected part of the two-dimensional image data;

determining a processing condition for the selected part of the two-dimensional image data ~~in the selected part on basis of the analyzing result~~ based on the analysis; and

performing at least one of gradation processing to control image contrast, frequency processing to control image sharpness, and dynamic range compression to narrow the image contrast on the selected part of the two-dimensional image data based on ~~processing the image data in the selected part with~~ the determined processing condition.

7. (Currently Amended) The method of claim 6, wherein said image comprises an X-ray image.

8. (Currently Amended) The method of claim 6, further comprising ~~the step of~~:

recognizing ~~a significant~~ data which is significant to diagnosis ~~form~~ from the selected part of the two-dimensional image data.

9. (Currently Amended) The method of claim 8, further comprising ~~the step of~~:

creating a cumulative histogram of the significant data; and

determining the processing condition according to ~~the~~ a result of the cumulative histogram.

10. (Currently Amended) The method of claim 6, further comprising ~~the step of~~:

displaying ~~a picture~~ the image composed of the two-dimensional image data with a trimming frame ~~according~~ which corresponds to the output-size.

Claim 11 (Canceled).

12. (Currently Amended) A computer-readable recording medium having a computer program stored thereon which is executable by a computer to cause the ~~, which comprises a program to control a~~ computer to function as an image processor for processing an image that is composed of two-dimensional image data corresponding to an image reading area of an image reader, said program being executable by the computer to cause the computer to perform functions ~~wherein the image processor~~ comprising:

~~a specifying function for~~ specifying ~~a~~ an output-size within the image reading area of the image reader;

~~a determining function for~~ selecting a part of the two-dimensional image data ~~in accordance with~~ which corresponds to the output-size~~;~~ [[,]]

analyzing ~~image data in~~ the selected part of the two-dimensional image data~~; , and~~

determining a processing condition for ~~the image data in~~ the selected part of the two-dimensional image data based on ~~basis of the analyzing result~~ the analysis; and

~~a processing function for~~ performing at least one of gradation processing to control image contrast, frequency processing to control image sharpness, and dynamic range compression to narrow the image contrast on the selected part of the two-dimensional ~~processing the~~ image data ~~in the selected part with~~ based on the determined processing condition.